

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (Canceled)

4. (Currently Amended) A device comprising:

a first layer, wherein the first layer is flexible; and
a second layer having a corrugated structure and being in contact with the first layer along a substantial portion of a length of the second layer so as to prevent fracture of the second layer when the first layer is deformed; and

~~a third layer in contact with the first layer, wherein the third layer comprises a substrate and the first layer comprises one or more coatings on the substrate, and wherein the third layer comprises a corrugated topography wherein the second layer~~

comprises a series of adjoining troughs and ridges, each trough and each ridge including substantially flat portions, and wherein transitions between the troughs and ridges are curved.

5. (Previously Presented) The device according to claim 4, wherein the first layer comprises an acrylate lacquer.

6. (Previously Presented) the device according to claim 4, wherein the second layer is a coating on the first layer.

7. (Previously Presented) The device according to claim 4, wherein the first layer comprises a corrugated topography.

Claim 8 (Canceled)

9. (Currently Amended) The device according to ~~claim 8~~ claim 4, wherein the widths of the substantially flat portions are selected to prevent fracture when the first layer is deformed to a predetermined radius of curvature.

10. (Previously Presented) The device according to claim 9, wherein the widths are selected to be less than a predetermined length, the predetermined length being dependent on the average length between cracks for a continuous layer deformed to the predetermined radius of curvature.

Claim 11 (Canceled)

12. (Currently Amended) A device comprising:
a first layer, wherein the first layer is flexible; and
a second layer having a corrugated structure and being in contact with the first layer along a substantial portion of a length of the second layer so as to prevent fracture of the second layer when the first layer is deformed;
wherein the second layer comprises a series of adjoining troughs and ridges, each trough and each ridge including substantially flat portions, and wherein the substantially flat portions are interconnected by curved transitions to provide a

continuous path for an electric current.

13. (Currently Amended) The device according to claim 4,
wherein the corrugated structure comprises an undulating topography
with continuously adjoining troughs and ridges.

14. (Previously Presented) The device according to claim 4,
wherein the substrate comprises polyvinyl chloride.

15. (Currently Amended) The device according to claim 2 claim
4, wherein the second layer comprises a transparent conductor.

16. (Previously Presented) The device according to claim 15,
wherein the second layer comprises a conductive oxide.

17. (Previously Presented) The device according to claim 4,
comprising a display.

Claims 18-20 (Canceled)

21. (New) The device of claim 4, further comprising a third layer in contact with the first layer, wherein the third layer comprises a substrate and the first layer comprises one or more coatings on the substrate.

22. (New) The device of claim 4, wherein lengths of the substantially flat portions are no greater than three times an average spacing between cracks developed when a continuous layer of material of the second layer is deformed to a predetermined radius of curvature.

23. (New) A method of fabricating a device comprising the acts of:

forming a first layer and a second layer, wherein the first layer is flexible;

forming a second layer having a corrugated structure and being in contact with the first layer along a substantial portion of the length of the second layer so as to prevent fracture of the second

layer when the first layer is deformed, wherein the second layer has a plurality of interconnected portions each having a portion length, the plurality of interconnected portions comprising a series of adjoining troughs and ridges, each trough and each ridge including substantially flat portions, wherein transitions between the troughs and ridges are curved; and

selecting the portion length to prevent fracture when the first layer is deformed to a predetermined radius of curvature.

24. (New) The method according to claim 23, wherein the selecting act comprises the acts of:

determining a spacing between cracks for a continuous layer of material when deformed to a predetermined radius of curvature; and

selecting the portion length to be a value that is dependent on the determined spacing.

25. (New) The method according to claim 24, wherein the selecting act further comprises the acts of:

determining an average spacing between the cracks; and

selecting the portion length to be no greater than three times
the average spacing.